

Title 26 DEPARTMENT OF THE ENVIRONMENT

Subtitle 11 AIR QUALITY

Chapter 19 Volatile Organic Compounds from Specific Processes

26.11.19.27-1 Control of Volatile Organic Compounds from Pleasure Craft Coating Operations.

A. Applicability and Exemptions.

(1) The requirements of this regulation apply to pleasure craft and fiberglass boat coating operations at a premises with actual VOC emissions of 15 pounds or more per day from coating operations as determined on a monthly average, on or after January 1, 2013.

(2) The requirements of this regulation do not apply to:

(a) Coatings applied using a hand-held, pressurized, nonrefillable container which expels coatings from the container in a finely divided spray when a valve on the container is depressed;

(b) Coatings that are applied to:

(i) Recoat portions of a product which has sustained mechanical damage to the coating following normal painting operation; or

(ii) Cover minor coating imperfections appearing after the main coating operation; or

(c) Coatings or resins applied during the manufacturing process.

B. Definitions.

(1) In this regulation, the following terms have the meanings indicated.

(2) Terms Define.

(a) "Antifouling sealer/tiecoat" means a coating applied over a biocidal antifouling coating for the purpose of preventing the release of biocides into the environment or to promote adhesion between an existing antifouling coating and a primer or between an existing antifouling coating and other antifouling coatings.

(b) "Extreme high gloss coating" means any coating which achieves at least 95 percent reflectance on a 60° meter when tested by ASTM Method D 523-89.

(c) “Fiberglass boat” means any type of vessel, other than a seaplane, that can be used for transportation on the water, in which either the hull or deck is built from a composite material consisting of a polyester resin or other thermosetting resin matrix reinforced with fiberglass (glass fibers), inert filler, or other reinforcing materials such as fibers of carbon, aramid, or other material.

(d) “Finish primer/surfacer” means a coating applied with a wet film thickness of less than 10 mils prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, or a moisture barrier, or promoting a uniform surface necessary for filling in surface imperfections.

(e) “High build primer/surfacer” means a coating applied with a wet film thickness of 10 mils or more prior to the application of a topcoat for purposes of providing corrosion resistance, adhesion of subsequent coatings, or a moisture barrier, or promoting a uniform surface necessary for filling in surface imperfections.

(f) “Pleasure craft” means vessels which are manufactured or operated primarily for recreational purposes, or leased, rented, or chartered to a person or business for recreational purposes.

(g) “Pleasure craft coating” means any parts and products coating, except unsaturated polyester resin (fiberglass) coatings, applied by brush, spray, roller, or other means to a pleasure craft.

(h) “Pretreatment wash primer” means a coating which contains no more than 25 percent solids by weight and at least 0.1 percent acids by weight, is used to provide surface etching, and is applied directly to fiberglass and metal surfaces to provide corrosion resistance and adhesion of subsequent coatings.

(3) All definitions provided in COMAR 26.11.19.27B also apply in this regulation except for those definitions specifically provided in §B(2) of this regulation.

C. Incorporation by Reference. The document ASTM Designation: ASTM Method D 523-89, Standard Test Method for Specular Gloss, which is incorporated by reference in COMAR 26.11.33.02B, shall be followed when complying with this regulation.

D. Pleasure Craft Coating Standards (Expressed in Terms of Mass of VOC per Volume of Coating Excluding Water and Exempt Compounds, as Applied).

Coating Types	lbs VOC/gal	kg VOC/liter
Extreme high gloss topcoat	5.0	0.60
High gloss topcoat	3.5	0.42
Pretreatment wash primers	6.5	0.78
Finish primer/surfacer		
Applicable through March 31, 2014	5.0	0.60

Applicable after March 31, 2014	3.5	0.42
High build primer/surfacer	2.8	0.34
Aluminum substrate antifoulant coating	4.7	0.56
Antifouling sealer/tiecoat	3.5	0.42
Other substrate antifoulant coating	3.3	0.40
All other pleasure craft surface coatings	3.5	0.42

E. If more than one emission limitation in §D of this regulation applies to a specific coating, the least stringent emission limitation is applicable.

F. Application Methods. A person subject to the requirements of this regulation shall use the following application methods, except for the application of Extreme high gloss coating:

- (1) Electrostatic application;
- (2) HVLP spray;
- (3) Flow coat;
- (4) Roller coat;
- (5) Dip coat including electrodeposition;
- (6) Brush coat;
- (7) Airless spray;
- (8) Air-assisted airless spray; or
- (9) Other coating application method capable of achieving a transfer efficiency equivalent or better than that achieved by HVLP spraying.